

May 20, 2010

**ADDENDUM NO. 1
FOR THE
SJEIC-NEW ELECTRICAL TRANSFORMER PROJECT**

Notice is hereby given that the following revisions, clarification, additions and/or deletions are hereby made of, and incorporated into plans and specifications for the **SJEIC-NEW ELECTRICAL TRANSFORMER PROJECT**.

GENERAL:

1. PG&E Construction Sketch and Substructure Instruction, See attachment 1, Attached.
2. Gas Meter Location, See attachment 2, Attached.

DRAWINGS:

1. **ADD** General Note No. 7 on sheet EA-1.0 to read:

New main switchboard "MSB" shall be installed in new electrical room with exact location, size & dimensions to be determined by the City prior to the construction start. Contractor shall be aware of the existing underground conduit in the vicinity of the existing Distribution Panel "MS" before sawcutting the floor & penetrating PG&E secondary conduits into the building leading to the main switchboard Service Section.

2. **ADD** General Note No. 8 on sheet EA-1.0 to read:

Existing gas service has been cut off by the utility company. Contractor shall coordinate with owner prior to installing #4/0 GND and bonding to the gas service pipe.

ATTACHMENTS:

1. PG&E Construction Sketch and Electric Underground Specifications.
2. As-Built Drawing sheet M1. For Reference Only.
3. Non-Mandatory Pre-Bid Meeting Attendance Sheet dated May 12, 2010.

END OF BID PACKAGE MODIFICATIONS

To: All Plan Holders for the SJEIC-New Electrical Transformer Project

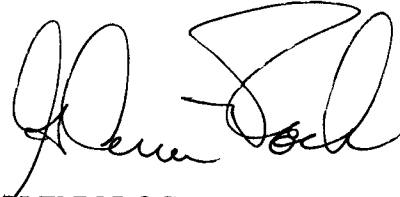
Subject: ADDENDUM NO. 1

Date: May 20, 2010

INSTRUCTIONS TO BIDDER:

The bidder must sign this addendum in the space provided below and return one signed copy of this sheet with the bid. **Failure to return this signed copy with the bid documents shall not relieve the bidder of the obligation to include this addendum with the bid proposal.**

APPROVED BY:



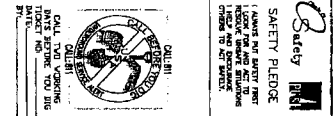
GLENN ROCK
Program Manager II

Bidder's Name

Date

Signature & Title of Bidder

ATTACHMENT No.1



SUBSTRUCTURE NOTES

1. APPLICANT TO TRENCH & BACKFILL ON & OFF SITE
2. APPLICANT TO PROVIDE & INSTALL ALL ELECTRIC SUBSTRUCTURES
3. TOTAL RADIUS BENDS NOT TO EXCEED 330° IN DUCT RUN.
4. PULLING TAPE TO BE INSTALLED IN ALL CONDUIT RUNS.
5. USE EXTREME CAUTION WITH IN 3" OF ENERGIZED FACILITIES, "HAND DIG"
6. BEFORE BEGINNING SUBSTRUCTURE WORK, PLEASE CONTACT PG&E UNDERGROUND TRENCH INSPECTOR AT LEAST TWO BUSINESS DAYS PRIOR TO REQUESTING INSPECTION CALL @ 408-299-1024 FAX @ 408-299-1087
7. WORK NOT PROPERLY INSPECTED WILL BE REJECTED.
8. ALL CHANGES AND MODIFICATIONS MUST BE APPROVED IN ADVANCE BY PG&E
9. ELECTRIC & GAS SERVICE REQUIREMENTS ARE AVAILABLE ON LINE @ WWW.PGE.COM/GREENBOOK

LEGEND

INSTALL

PG&E TO INSTALL 3-1/0AL 25KV ENCAP IN 1-4" APPLICANT INSTALLED CONDUIT

PG&E TO INSTALL CABLE, SVC, XLPE, 3-1/C 600V 1000A & 1/C 350A IN 2 OF 4-5" APPLICANT INSTALLED CONDUITS

PG&E TO INSTALL 750KVA 12/21-480 IIE PM ON APPLICANT INSTALLED 90X106 PRECAST TX PAD 3PH IIE (04-0292)

PG&E TO REMOVE 3-2CU 15KV IN 1-4" EXISTING CONDUIT

PG&E TO REMOVE 750KVA 12/21-480 PM TRANSFORMER

DESCRIPTION

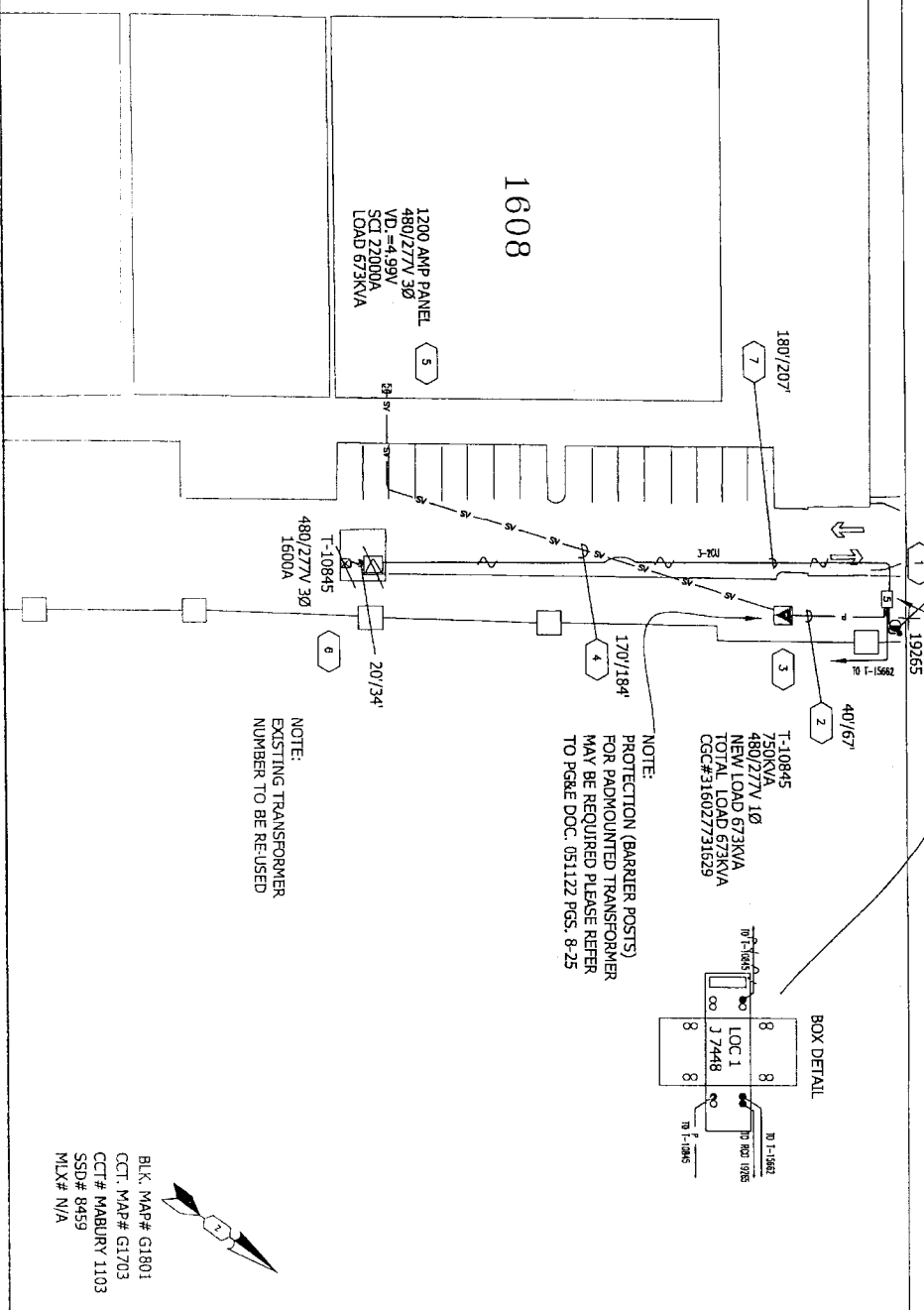
FOR MORE INFORMATION CONTACT:
PROJECT MGR.: MANISH PARMAR (408) 299-1050
ESTIMATOR: CARLOS TORRES (408) 494-1722
ADE: VERONICA FLORES (408) 299-1041
CONTACT: TIM ROTT (408) 807-5264

PG&E TO TRENCH ON & OFF SITE
ELECTRIC ONLY TRENCH

SHARED CONSTRUCTION
APPLICANT TO TRENCH ON & OFF SITE
ELECTRIC ONLY TRENCH

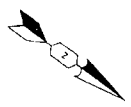
LAS PLUMAS DRIVE

180° TO LEMFEST RD.



NOTE:
PROTECTION (BARRIER POSTS)
FOR PADMOUNTED TRANSFORMER
MAY BE REQUIRED PLEASE REFER
TO PG&E DOC. 051122 PGS. 8-25

NOTE:
EXISTING TRANSFORMER
NUMBER TO BE RE-USED



BLK. MAP# G1801
CCT. MAP# G1703
SDD# 8459
MLX# N/A

CONSTRUCTION SKETCH

CITY OF SAN JOSE
TRANSFORMER RELOCATION
1608 LAS PLUMAS, SAN JOSE, CA.

EST:	CGT2
ADE:	LWY1
SUPV:	JPC1
REP:	HSPG
PLNR:	PMW
SCALE:	1"=30'
DATE:	11/25/2009

ENGINEERING AND PLANNING DEPT.
308 STOCKTON AVE
SAN JOSE, CA. 95126

PHONE #: PACIFIC GAS AND ELECTRIC COMPANY
FAX #:

CO:	
SD:	
NOTIF.:	103965156
Other:	
SHT:	1 OF 2
PM:	30737498
REV.	

Estimator:	CARLOS TORRES	Electric Underground Specifications		Notification#	103965156
ADE:	VERONICA FLORES			PM Order#	30737498
Rep:	MANISH PARMAR			D&C #	
Supervisor:	JOSH CASTELLANOS			Date:	2/24/2010

Applicant:	CITY OF SAN JOSE				
Location:	1608 LAS PLUMAS S.J.				

1 Service Voltage	480/277V	Main Size	1200	1ph.Load:	kva.	3ph.Load:	673 kva.
SC Amps Sym.	22000						
Primary Cable:	Number:	3	Size:	1/0 AL.	EPR - CONC - ENCAP - PE 25KV		
Service Cable:	3	1,000 AL. XLP. 600V.	1	350 AL. XLP. 600V.			
	Number	Hot legs number and size	Number	Neutral number and size			

Applicant to Provide and Install Conduit, Trench, and Substructures (As indicated below and/or on the attached drawing)								
Primary: Conduit--Size	2	4"	No.	1	Bend--Radius	36"/60"	Degrees	90/45/22.5
Secondary: Conduit--Size		5"	No.	4	Bend--Radius	24"/36"/60"	Degrees	90/45/22.5
Service: Conduit--Size			No.		Bend--Radius		Degrees	
Streetlight: Conduit--Size			No.		Bend--Radius		Degrees	
Primary Trench: Overall Depth "					Minimum Cover			
Secondary Trench: Overall Depth: "			3		Minimum Cover			
Service Trench: Overall Depth: "			3		Minimum Cover			
Streetlight Trench: Overall Depth: "			3		Minimum Cover			
					Type / Style:	Size:	Code:	
Transformer Pad: (Type, Size, and Code)					IIE	"Loop Style" 106"x 90"	040292	
Primary J-Box Pad: (Type, Size, and Code)								
					Type / Style:	Size:	Traffic Load:	Code:
Primary Pull Box: (Type, Size, and Code)								
Sec. / Svc. Box / Ped: (Type, Size, Code)								

All Applicant Installations must pass PG&E inspection, do not backfill* the trench until it has been inspected and approved.
 Call the construction Department at **408-299-1024** 48 hours in advance for inspection.
 Cost of PG&E supplied materials are subject to change if this design is altered by the applicant.

Please contact **MANISH PARMAR** at **408-299-1050** of any changes or need for additional information.

☒ Please Call USA **811** at least 48 hours prior to excavating this area:
☒ All existing facility locations are approximate, verify with hand tool excavation.

1 Mains 201 Amp and above, lugs to be supplied by pg&e.
 2 Conduit to be direct burial (DB), PVC marked ASTM F512 DB120PVC or schedule 40 marked UL Approved 90°C. Conduit above ground level to meet Engr. Standard Dwg. *All conduits shall be proven free and clear of dirt, rocks, etc. by means of a mandrel, wire brush, etc. A polyester pulling tape shall be installed in all conduits and attached to an end cap. (No manufactured bends or use of heat shall be used to obtain conduit sweeps.)
 3 Conduit depths are shown as minimums and may need to be increased when entering or leaving secondary splice boxes

REFERENCE DRAWINGS are available via the PG&E web site at: <http://www.pge.com/greenbook>. Refer to the **Electric and Gas Service Requirements** (Green Book) Section 4, Electric Service - Underground. Or you may contact your PG&E representative for copies of the following.

<input checked="" type="checkbox"/> Corrosion Resistant Ground Rods and Ground Rod Clamps		013109
<input type="checkbox"/> Secondary Enclosures for Electric Underground (secondary service)		028028
<input checked="" type="checkbox"/> Concrete Pad for Three-Phase, Loop Style Pad-Mounted Transformers		045292
<input checked="" type="checkbox"/> Loc, Clearance, and Mechanical Details for Pad-Mounted and Subsurface Equipment.		051122
<input checked="" type="checkbox"/> Terminating UG. Electric Service 0-600 Volt in Customer-Owned Facilities.		058817
<input checked="" type="checkbox"/> Landscape Screen for Pad-Mounted Transformers		063422
<input type="checkbox"/> Methods and Requirements for Installing Res. UG. Elec. Service 0-600V.		063927
<input checked="" type="checkbox"/> Methods and Requirements for Installing Comm. UG. Elec. Service 0-600V.		063928
<input type="checkbox"/> Requirements for Bus Duct Entrance Termination Unit for Use With P/M Transformers.		063929
<input type="checkbox"/> Installation of Pad-Mounted, Load-Break Junction.		066212

Applicant Notes

**Refer to Electric & Gas Service Requirements (Green Book) or Separate PG&E Standard Drawings.
Contact Your PG&E Representative for Copies, or Access www.pge.com/greenbook.**

☒ **Conduit, Trenching and Backfill:**

1	All dimensions and locations are estimated, approximate and may be superseded by a JOINT TRENCH or COMPOSITE DRAWING.
2	Applicant to provide and install all underground facilities shown on this drawing in accordance with PG&E engineering standards and the following.
3	Applicant to provide all TRENCHING, SHADING, BACKFILL, AND COMPACTION.
4	4" of sand is required above and below conduit if native soil is not free of rocks, hardpan, etc. Backfill shall meet approval of PG&E Inspector
5	Service Conduit: 063927, Page 2 Tbl.1 & 2 (Residential.)
	Service Conduit: 063928, Page 3 Tbl.1, 2, & 3 (Commercial / Industrial)
6	Distribution Conduit: PG&E Drawing 062288, Pages 1-14.
7	Provide long conduit sweeps where indicated. Recommended sweep radius (10' OF RADIUS PER INCH OF CONDUIT DIAMETER) Example: 4" CONDUIT = 40' RADIUS.
8	Manufactured bends or application of heat shall not be used to obtain long conduit sweeps. Do not to exceed 330 degrees of bends including feed location.
9	All conduits shall be proven FREE and CLEAR, and a POLYESTER PULLING TAPE installed
	Manufactured bends are not to be CUT, SHORTENED, or ALTERED in any way.
11	Install: a) Temporary caps on conduits stubbed at riser poles, pads, and boxes
	b) Permanent caps on buried conduits ends
	c) End Bell Fittings are required for all conduits entering an enclosure knockout or pad window (they must be grouted)
	d) 36" minimum bend radius for primary conduit.
	e) 24" minimum bend radius for service and secondary conduit.
12	Identify ends of buried conduit with a vertical conduit scrap installed from ridged cap to ground level.
13	Conduits entering primary boxes shall be at a right angle to the window or wall.

☐ **Subsurface Transformers and enclosures / sec. Boxes and Pedestals:**

☒ **Padmounted Transformers, Switches, and Junction Boxes:**

19	Concrete and Precast Pads for Three Phase Transformers: 045292 Pages 1-7
20	Single Phase and Duplex Padmounted Transformer Pads: PG&E drawing 064309, Pages 1-6
21	Concrete Pads for PMH Load-Break Switches: PG&E drawing 063318, Pages 9-12
22	Concrete Pads for Padmounted Fused Switches PMH 41 & 43: PG&E drawing 061043, Pages 9-12
23	Precast Pad for Padmounted Capacitor: PG&E drawing 066197, Page 4 & 13-14
24	Precast Pads for Padmounted Primary Junction: PG&E drawing 066212, Pages 5-9


☒ **Grounds, Barrier Protection, and Landscape:**

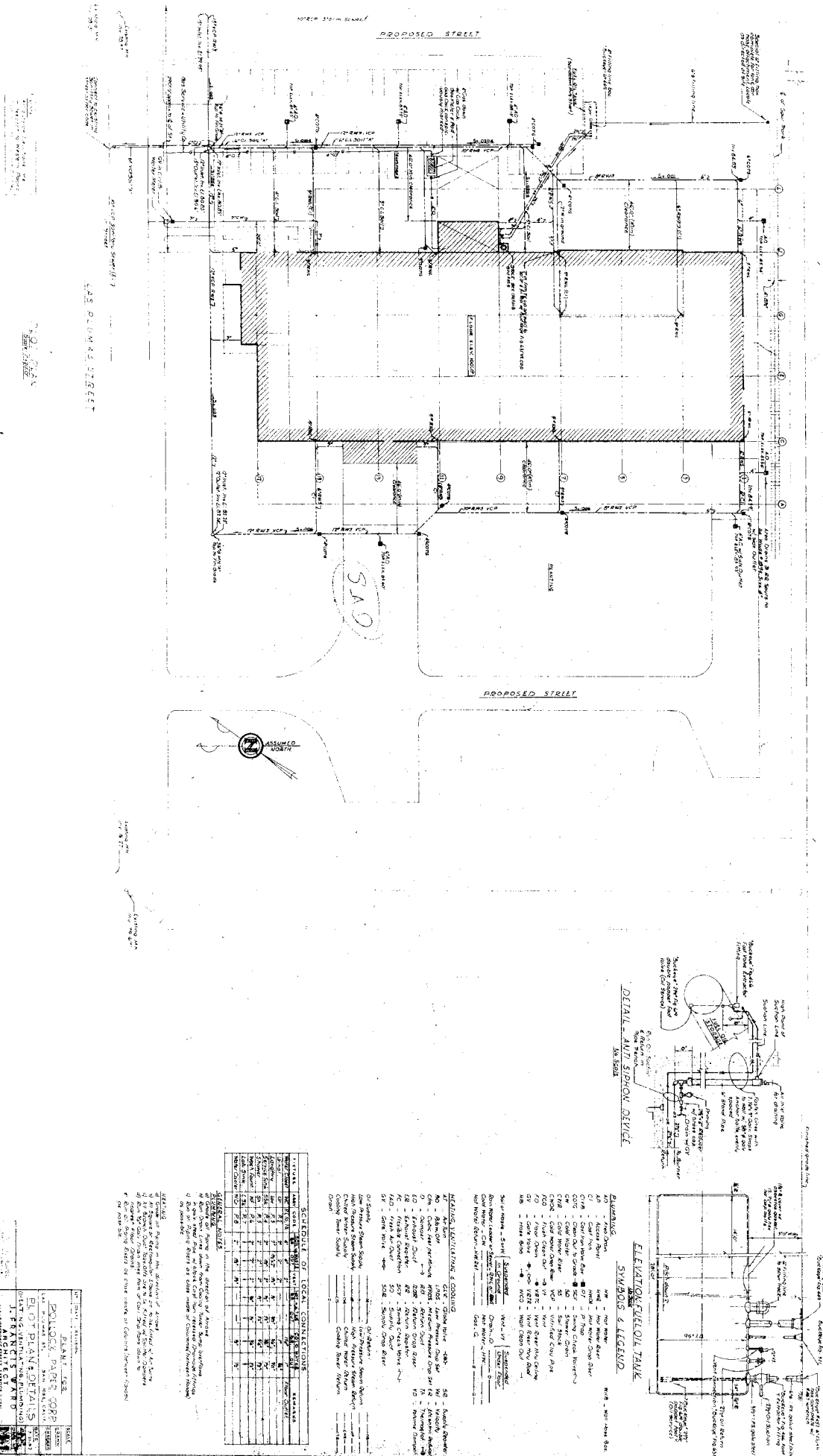
25	Ground Rods: 013109, Pages 1-3.
26	Applicant to install all ground rods and interconnecting wire between grounds.
27	Protection (BARRIER POST) for padmounted equipment: 051122, Pages 8-25
28	Final determination of barrier post installation and number will be by PG&E Inspector.
29	Landscape Screening: 063422, Pages 1-12

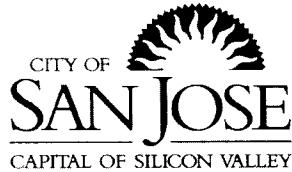
☒ **Safety & Workmanship:**

30	Notify USA 48 hours prior to digging for underground locating. (see phone number above)
31	48 hour notice required for underground inspections. (see phone number above)
32	Materials and Workmanship shall be first quality in every respect, plumb and true, and according to the specific requirements of the drawings and the above applicable notes and specifications.
33	The Applicant is to verify all proposed installations, conditions & specifications prior to commencing with any portion of work. Any discrepancies, deletions or inconsistencies are to be reported to the PG&E Representative immediately. The applicant shall comply with all applicable specifications. Any unapproved variations from PG&E plans or specifications relieves PG&E from all responsibility for the Substructure Design.

☐ **Insert Drawing:**

EST:	CARLOS TORRES	CITY OF SAN JOSE 1608 LAS PLUMAS S.J.	CO:	
ADE:	VERONICA FLORES		SD:	
SUPV:	JOSH CASTELLANOS		NOTIF:	
REP:	MANISH PARMAR		OTHER:	
PLNR:			SHT:	
Scale:	DATE:	 PACIFIC GAS & ELECTRIC COMPANY	30737498	
	2/24/2010			





Department of Public Works

CITY FACILITIES ARCHITECTURAL SERVICES DIVISION

NON-MANDATORY PRE-BID MEETING

ATTENDANCE SHEET

PROJECT: **SJEIC-NEW ELECTRICAL TRANSFORMER**

DATE: **WEDNESDAY, MAY 12, 2010 @ 1:30 P.M.**

MEETING AT: **1608 LAS PLUMAS AVE, SAN JOSE, CA 95133**

<u>NAME</u>	<u>REPRESENTING</u>	<u>PHONE AND FAX</u>
Mark Tucker	Tucker Construction	(408) 287-1424; (408) 287-1448
Pat Mark	Mark Electric Inc.	(408) 482-4249; (408) 294-4971
Denis Jordan	BBJ Electric, Inc.	(650) 583-4294; (650) 876-0121
Matt Bassett	M.E.B. Electric	(510) 475-8607; (510) 475-8739
Jesse Rey	Ozie Electric Inc.	(408) 691-9690; (408) 972-2414
Ozie Delgado	Ozie Electric Inc.	(408) 209-7658; (408) 972-2414